

FACULTY OF THE PORTLAND CENTER

PRINCE L. CAMPBELL, LL.D. *President of the University*
EARL KILPATRICK, B.A. *Director of the Extension Division and
of the Portland Center*
*GEORGE REBEC, Ph.D. *Director of Portland Center*
MARGARET M. SHARP *Secretary of the Portland Center*

PERCY P. ADAMS, B.S. *Professor of Graphics, U. of O.*
READ BAIN, M.A. *Assistant Professor of Sociology, U. of O.*
D. G. BARNES, M.A. *Assistant Professor of History, U. of O.*
WALTER CARL BARNES, B.A. *Professor of History, U. of O.*
ERNEST S. BATES, Ph.D. *Professor of Aesthetics, U. of O.*
CARL C. BEACH *Chief Clerk to General Agent, Union Pacific System*
ROBERT L. BENSON, M.D. *Professor of Pathology, U. of O. Medical School*
WILLIAM H. BOYER *Supervisor of Music, Portland Public Schools*
THOMAS J. BOLITHO, B.A. *Professor of Accounting, U. of O.*
ROBERT C. CLARK, Ph.D. *Professor of History, U. of O.*
WILKIE NELSON COLLINS, B.A. *Assistant Professor of Rhetoric and
American Literature, U. of O.*
BURCHARD WOODSON DEBUSK, Ph.D. *Professor of Education, U. of O.*
HARL R. DOUGLASS, M.A. *Professor of Education, U. of O.*
ROBERT H. DOWN, B.A. *Head of History Department, Franklin High School,
Portland*
A. ALEXANDER ENNA (Birknerod College, Copenhagen, Denmark) *The Dalles H. S.*
GEORGE EHINGER, B.A. *Secretary Oregon Child Welfare Commission, Portland*
AVARD FAIRBANKS *Assistant Professor of Fine Arts, U. of O.*
WILMOT C. FOSTER, B.A., M.D. *Assistant Professor of Anatomy,
U. of O. Medical School*
MADAME GEORGE E. FROST *Instructor in French, Portland Center*
ALBERT E. GEBHARDT, B.A., LL.B. *Corporation Examiner, State of Oregon*
FREDERICK W. GOODRICH *Instructor in Music, Portland Center*
HENRY M. GRANT, B.A. *Executive Secretary, Oregon Social Hygiene Society,
Portland*
CHESTER A. GREGORY, Ph.D. *Professor of Education, U. of O.*
CELIA V. HAGER, M.A. *Instructor in Psychology, U. of O.*
ANN HARDY, M.A. *Instructor in Education, U. of O.*
J. HUNT HENDRICKSON, B.A., LL.B. *Dean, Northwestern College of Law,
Portland*
FRANK HILTON, B.A., J.D. *Lawyer, Portland*
WILLIAM S. KIRKPATRICK, B.A. *Instructor in Advertising, Portland Center*
SAMUEL CALVIN KOHS, Ph.D. *Professor of Psychology, Portland Center;
Psychologist, Court of Domestic Relations, Portland*

*On leave of absence in Europe.

OLOF LARSELL, M.A., Ph.D.*Professor of Anatomy, U. of O. Medical School*
I. A. MELENDY*Head of English Department, Franklin High School, Portland*
FRANK MENNE, B.S., M.D.*Professor of Pathology, U. of O. Medical School*
ROLAND MCLEOD MILLER, M.A.*Assistant Professor of Economics, U. of O.*
HAROLD B. MYERS, B.A., M.D.*Professor of Materia Medica, Pharmacology
and Toxicology, U. of O. Medical School*
MABLE HOLMES PARSONS, M.A.*Professor of English Literature, U. of O.*
PHILIP A. PARSONS, Ph.D.*Professor of Sociology, U. of O.,
Director Portland School of Social Work*
MARY H. PERKINS, M.A.*Professor of English, U. of O.*
H. F. PRICE, Ph.D.*Professor of Mathematics, Pacific University,
Forest Grove, Oregon*
BENIAMINO RE (Colgate Theological Seminary)*Pastor Italian Presbyterian
Church, Portland*
CHARLES A. RICE, B.A.*Assistant Superintendent of City Schools, Portland*
HOMER P. RUSH, M.D.*Instructor in Physiology, U. of O. Medical School*
FRIEDRICH GEORG GOTTLÖB SCHMIDT, Ph.D.*Professor of German Languages
and Literature, U. of O.*
H. J. SEARS, Ph.D.*Professor of Bacteriology, U. of O. Medical School*
HELEN MILLER SENN, B. A.*Instructor in Public Speaking, Portland Center*
L. B. SMITH, LL.B.*Manager Accounting Department, M. Seller and Co.*
HAROLD H. STORY, A.B.*Professor of English and Public Speaking,
Pacific University*
CLINTON H. THIENES, B.A.*Instructor in Anatomy, U. of O. Medical School*
ELNORA E. THOMSON, R.N.*Director Public Health Nursing,
Portland School of Social Work*
BERT I. TREIGER*Instructor in Hebrew, Portland Center*
MRS. J. VICK*Instructor in Russian, Portland Center*
F. MIRON WARRINGTON, (Diplômé de l' Université de Paris)*Professor of
Commerce, U. of O.*
FRED I. WEBER*Assistant Cashier, Hibernia Bank*
ESTHER W. WUEST*Supervisor of Art, Portland Public Schools*
IRENE WUEST (Pratt Institute, Brooklyn)*Art Instructor,
Portland Public Schools*
NOWLAND B. ZANE (Drexel Institute, Philadelphia)*Art Instructor,
Portland Public Schools*

PORLAND EXTENSION CENTER

GENERAL INFORMATION

The entension service of the University of Oregon in Portland is carried on through the Portland Center of the University.

The courses of study offered in the Portland Center are of standard college or university grade. They are intended literally to signify *University Extension*, and the work is planned to be as strenuous and mature as in the regular college or university course. At the same time, the aim is to reach all who are able and have the desire to profit. Accordingly, except to those desiring credit toward degrees, no formal requirements of admission are set up, but only the desire and capacity to follow the work successfully.

The Portland Center divides its teaching activities for each academic year into three terms and a summer session. The dates correspond to those at Eugene. For the academic year 1922-1923 they are: Fall Term, October 2-December 23; Winter Term, January 8-March 31; Spring Term, April 9-June 23; Summer Session June 25-August 3, 1923. Terms are of twelve weeks each; the Summer Session is six weeks.

The Portland Center office is at 652 Courthouse. The telephone number is Main 3575. Executive details of all Portland classes, including registration and payment of fees, are handled from this office. Office hours are from 9 a. m. to 5 p. m. daily with the exception of Saturday, when the office closes at 1 p. m. Classes are held in Lincoln High School unless otherwise stated.

University credit is granted in all Portland classes, unless exception is made, and is counted as resident credit toward appropriate degree. In a large number of subjects, the program of studies is sketched to cover a period of three years. The purpose of this is to enable the student better to plan his studies in the given subject, and to enable him to arrive at a more complete and coherent result in his work.

Students of the Portland Center who wish their work to apply toward degrees are reminded that such work must be definitely planned with reference to group requirements. If a student takes two or more courses which duplicate each other even in part he will receive university credit only for one of them.

A small registration fee is charged each term. The usual amount of this fee is \$5.00 and is the same irrespective of the number or kinds of courses taken. The exceptions are: (1) that persons electing the full work of the Portland School of Social Work, as described in a separate bulletin, pay \$15.00 per term; (2) that small extra charges for laboratory materials are made in connection with certain courses; and (3) that the University reserves the privilege of charging extra fees in a few very special courses, such as require a large amount of individual attention to the student.

The registration fee is payable *before the end of the second week of the term*. Students making remittance by mail should be careful to list the course or courses taken, and to give address, telephone number and occupation.

The University reserves the right to discontinue any course because of smallness of enrollment or for any other sufficient reason.

SERVICE TO CLUBS AND SOCIETIES

So far as its facilities permit, the University of Oregon adopts the motto of going where the classes are. Wherever any association or group of persons, (other than students in an organized educational institution), will organize themselves into an extension class, the University will endeavor to furnish the teaching for the class; provided, (1) that the class is organized for purposes of serious work; (2) that the work undertaken is of collegiate (in distinction from secondary or primary) grade; and (3) that the class will each term pay the equivalent of eighteen individual term-fees, i. e., a total of \$90.00. The payment of these fees will entitle a total of eighteen members of the class to be enrolled as regular members of the Portland Center, to elect any course offered therein, and to gain, under usual restrictions, University credit for work duly completed.

THREE-YEAR COURSES

The student's attention is specially called to the three-years' programs of work offered by a number of departments. In all departments, the endeavor of the Portland Center is to encourage the student to continue his studies over a period of time suf-

ficient for a more nearly adequate mastery of the subjects he pursues than is possible in one year of part-time study. In an increasing number of departments, the student enrollment warrants the offering of a coherent and fairly elaborate program intended to extend over three full years. The normal minimum requirement for each year of such a program is four classes the week (normally two full evenings; in case of courses of the laboratory type at least twice this amount). Often, as much as one half of the work is done in courses not directly in the subject pursued, but serving as a necessary or important strengthening and widening of the central subject. Where students possess the leisure and energy to undertake courses in addition to those prescribed, the heads of departments will gladly give counsel.

The three-years' program when successfully completed is recognized by the award of a special certificate from the University of Oregon.

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

AMERICAN CITIZENSHIP

(See course under Politics)

CIVICS

(See course under Politics)

DANISH

(See Scandinavian Languages)

ECONOMICS

1. PRINCIPLES OF ECONOMICS. An analysis of the principles underlying production, exchange and distribution. Consideration of such problems as banking and currency reform, regulation of international trade, revenues and taxation, the labor movement, wages and prices, regulation of transportation agencies, control of trusts, etc. Mr. Bain. Friday 7:15, Room 110.

One hour, three terms.

ENGLISH, AMERICAN AND GENERAL LITERATURE AND RHETORIC

Dr. BATES

Professor PARSONS Professor PERKINS Professor COLLINS

RHETORIC

Professor PARSONS Professor PERKINS

1. ENGLISH USAGE AND COMPOSITION. The study of modern English usage in grammar, punctuation, sentence structure and choice of words. Some composition work is required and attention is given to the fundamental principles of writing. Textbook: MacCracken and Sandison's Manual of Good English, (MacMillan). Miss Perkins. Thursday 7:15, Friday 7:15, Room 105.

One hour, three terms.

2. THEME WRITING. A course in which the emphasis is placed upon the effective organization and presentation of thought. Weekly themes of various types and of some length are expected.

Students who feel themselves deficient in the subject-matter of Course 1 are advised to take that course for the fall term before applying for admission to Course 2. Miss Perkins. Thursday 8:15, Room 105. *One hour, three terms.*

3a. A HISTORY OF THE ENGLISH LANGUAGE. A study of the development of the English Language from the Early English Period to the present day. The sources of our modern grammar, spelling, pronunciation and vocabulary. Lectures, reports and outside reading. Miss Perkins. Friday 8:15, Room 105.

One hour, fall term.

3b. MIDDLE ENGLISH. Chaucer's poems will be read with special attention to his vocabulary, grammar and pronunciation. Textbook: Skeat, Student's Chaucer (Oxford Press). Miss Perkins. Friday 8:15, Room 105. *One hour, winter term.*

3c. ANGLO-SAXON. A study of the elements of Old English, in its relation to Middle English and Modern English. Textbook: Sweet's Anglo-Saxon Primer (Oxford Press). Miss Perkins. Friday 8:15, Room 105. *One hour, spring term.*

101. SHORT STORY. A course designed for students whose interest in the short story is sincere and practical, and who are willing to acquire knowledge of the short story through practice in writing it. Some attention will be given throughout this course to other types of discourse that might prove "available" for magazine publication. Mrs. Parsons. Monday 7:15, Room 106.

Two hours, three terms.

103. MAGAZINE WRITING. The instructor, in the capacity of editor, will receive, revise and discuss with the class manuscripts of short stories, one-act plays, poetry, or "features" of the magazine type. "Models" will be read and given class consideration. Registration for this class will presuppose in the student a practical acquaintance with English Composition. (To be offered in 1923-1924.)

ENGLISH LITERATURE

Professor PARSONS

Professor COLLINS

1. OUTLINE HISTORY OF ENGLISH LITERATURE. The developing British literary tradition one generation out of another. Text-

book reading centered upon volume one of Ten Brink, Schofield's "From the Conquest to Chaucer," Schelling's "English Literature in the Life-time of Shakespeare," Gosse's "The Eighteenth Century," Brande's "Naturalism in England," Walker's "Victorian Literature," and Kennedy's "The Eighteen-Nineties." Mr. Collins. Friday 7:15, Room 107.

One hour, three terms.

101. ELIZABETHAN LITERATURE. Poetry, drama, prose. Attention will be given to the lyrics, the plays, the opinions of Shakespeare's immediate predecessors and of his contemporaries. Effort will be made to account for the spontaneous and varied expressiveness of this age. Mrs. Parsons. Tuesday, 7:15, Room 106.

Two hours, three terms.

102. SHAKESPEARE. A course that will afford an intensive study of Shakespeare's poetry, his drama, his stage technique, the personnel of the group of players with whom the poet was identified, and the larger relations and values of his work. Open to any students who have completed at least two general courses in English Literature. (To be offered 1923-1924.)

103. ENGLISH NOVEL. The course will afford a more advanced and intensive study of the English novel as a form of art, viewed in the light of its historic development in relation to concurrent movements in English literature, thought and society, and with regard also to the evolution of the novel among other peoples. (To be offered 1923-1924.)

104. NINETEENTH CENTURY ENGLISH POETS. Crabbe, Wordsworth, Coleridge, Byron, Shelley, Keats, Landor, Tennyson, Browning, Arnold, Rossetti, Morris, Swinburne. Mrs. Parsons. Friday, 7:15, Room 106.

Two hours, three terms.

201. ENGLISH SEMINAR. Especially designed for graduate students majoring in English, but open to advanced undergraduates who can satisfy the instructor as to proficiency. In this course each student will follow a special line of research and from time to time make report as to his progress. Thesis needs and special research of graduate students for 1922-1923 will be cared for by the instructor through personal conferences. (To be offered in 1923-1924.)

AMERICAN LITERATURE

Professor PARSONS

Professor COLLINS

1. AMERICAN LITERATURE. A consideration of literary development in the United States and its association with various historical, political, social and religious movements. Halleck's "American Literature" will be used as an elementary text, accompanied by Woodberry's "America in Literature" and Bliss Perry's "The American Spirit in Literature," to be followed by Pattee's "American Literature Since 1870." Mr. Collins. Friday, 8:15, Room 107.

One hour, three terms.

105. THE AMERICAN NOVEL. Designed to follow the course in English Novel offered in 1921-1922. Worth-while novels by American authors, from Hawthorne to Cather and Tarkington, will be read and discussed, with reference to continental or English influence, to national characteristics, and to the implicit or explicit philosophy of the country. Mrs. Parsons. Saturday, 9:30 a. m., Central Library, Room "H." *Two hours, three terms.*

GENERAL LITERATURE

Dr. BATES

101. LITERATURE AND PHILOSOPHY. A popular, non-technical course in the historical expression of philosophical ideas through the medium of prose fiction. The greater part of the course will be devoted to nineteenth century writers, emphasizing Balzac, Flaubert, Dostoyevsky, Tolstoi, H. G. Wells, Anatole France and Romain Rolland. Lectures and discussions. Saturday, 7:15, Room 104.

One hour, three terms.

ETHNOLOGY

Professor STORY

101. SOCIAL ANTHROPOLOGY. A comparative study of how social institutions have come to be as they are, tracing their development through matriarchal and patriarchal stages to modern times. Survivals and superstitions. The application of scientific method to the study of man. Friday 7:15, Room to be assigned.

One hour, winter term.

102. ETHNOLOGY. A descriptive and comparative study of the living races of mankind, considering habitat, material culture,

art, institutions, religions and traditions. Special attention will be given to the minglings and conflicts of the races. This course should be of benefit to Americanization and settlement workers. Friday 8:15, Room to be assigned. *One hour, winter term.*

FRENCH
(See Romance Languages)

GERMAN
(See also Germanic Languages)
Dr. SCHMIDT

1. ELEMENTARY GERMAN. Essentials of grammar; pronunciation, composition, and translation of easy prose and poetry. The grammar to be used: Vos's Essentials of German (Henry Holt & Co.). Reader: Huss's German Reader (D. C. Heath & Co.). In addition to this, some easy stories (such as Storm's Immensee, Zschokke's Der Zerbrochene Krug, etc.) will be read. Friday, 7:15, Room 108. *One hour, three terms.*

101. HISTORY OF GERMAN LITERATURE.

a. The Classical Period. This course begins with a study of the writers in the early eighteenth century and traces the causes which led to the rise of its great classical literature. Special attention is given to the life and works of Lessing, Goethe, Schiller, Herder, Grillparzer, etc. Lectures, assigned readings, reports and reference work. Friday, 8:15, Room 108. *One hour, Fall term.*

b. Goethe's Faust. A careful study and interpretation of the text of the completed drama with a view to comprehending the poet's philosophy of life. The class work consists of reports, discussions and text interpretation, and is supplemented by lectures, papers and reference reading. Friday, 8:15, Room 108. *One hour, Winter term.*

c. Modern German Literature. In particular Wildenbruch, Hauptmann, Sudermann, Frenssen, Fulda and other representatives of contemporary literature. Friday, 8:15, Room 108. *One hour, Spring term.*

GERMANIC LANGUAGES
(See Danish, Norwegian, German, Swedish)

GREEK
Mr. MELENDY

1. ELEMENTARY GREEK. A course preparatory to the reading of Xenophon's Anabasis, or the Iliad. Textbook: White's First Greek Book. Wednesday, 7:15, Room 104.

One hour, three terms.

2. The Anabasis of Xenophon with supplementary readings in Grecian history, or a corresponding course in Homer's Iliad. Prerequisite, Greek I, or its equivalent. Wednesday, 8:15, Room 104.

One hour, three terms.

3. THE GREEK NEW TESTAMENT AND HELLENISTIC GREEK. This course is planned particularly for ministers and other students of the Bible. Prerequisite, Greek I or its equivalent. Textbook: Westcott and Hort. Thursday, 4:30 p. m., Central Library, Room "F."

One hour, three terms.

HEBREW
Mr. TREIGER

1. ELEMENTARY HEBREW. The aim of this course is to give a thorough foundation in the rudiments of the Hebrew language. The mechanics of reading and writing and the fundamental rules of syntax will be taught by means of drill and written exercises. Sufficient mastery of Hebrew will be developed to enable the student to read at sight easy Hebrew narrative prose and certain portions of the Bible. As early in the course as possible, the reading of a simple text will be undertaken which will furnish the material for the development of conversational facility. Saturday, 8:15, Room 107.

One hour, three terms.

HEALTH EDUCATION
Miss THOMSON

1. HEALTH EDUCATION. See Course 2 under Sociology.

101. SEMINAR IN HEALTH EDUCATION. See Course 101 under Sociology.

HISTORY
Dr. CLARK Professor WALTER BARNES
Professor DONALD G. BARNES

1. WORLD HISTORY. A comprehensive and continuous story of the evolution of civilization from earliest man to the present

day, covering the main lines of human thought and activity in the past. A knowledge of the usual facts of history as given by general survey texts is presumed and the lectures will be designed to serve only as a guide to readings, as interpretations of periods and movements, and as summaries of important contributions to civilization made by various peoples. Wells' Outline of History will be required as basis for course. Mr. W. C. Barnes. Friday, 7:15, Room 104. *One hour, three terms.*

145. HISTORICAL STUDY OF POLITICAL AND SOCIAL UNREST.

- a. The Russian Revolution, 1850-1920. Mr. W. C. Barnes.
- b. The Revolutionary Epoch in England, the seventeenth century. Mr. D. G. Barnes.
- c. Revolutionary France, eighteenth century. Mr. D. G. Barnes.

Friday, 8:15, Room 104.

One hour, three terms.

171. AMERICAN LIFE AND INSTITUTIONS. A study of the various factors, environmental, social, religious, intellectual, and political, that have entered American life and helped to make American institutions since the War of 1812. (To be offered in 1923-1924.)

172. AMERICAN WORLD RELATIONS. The development of destructive foreign policies such as isolation, Monroe Doctrine and open door, and American relations with Great Britain, Latin America and the Far East will be studied. (To be offered in 1923-1924.)

173. HISTORICAL FOUNDATIONS OF AMERICAN LIFE AND INSTITUTIONS. A study of the geographical, racial, social, religious, constitutional and intellectual factors that have contributed to the making of our United States. The formative period from colonial times to the end of the War of 1812 will be covered. Stress will be placed on the English inheritance and on general institutional beginnings. Mr. Clark. Thursday, 7:15, Room 110.

One hour, three terms.

276. SEMINAR. OREGON HISTORY. A course for students majoring in history or who may be working towards an advanced degree. The period since 1859 will be covered. Lectures, reports and assigned reading. Mr. Clark. Thursday, 8:15, Room 110.

One hour, three terms.

ITALIAN
(See Romance Languages)

MATHEMATICS
Dr. PRICE

1. ELEMENTARY ANALYSIS. Open to students who have had one year of algebra and one of geometry. Elementary trigonometry is an advantage but is not required. A combined course including the elements of algebra, analytical geometry and trigonometry. The idea and the notation of the calculus will be introduced early in the course. Textbook: Griffin's Elementary Analysis. Wednesday, 7:15, Room 111. *Two hours, three terms.*

2. ELEMENTARY ANALYSIS. (Continuation of Course 1). The exponential functions, trigonometric analysis, analytical geometry, probability, series, definite integrals. Thursday, 7:15, Room 111.

One hour, three terms.

3. DIFFERENTIAL AND INTEGRAL CALCULUS. (To be offered in 1923-1924.)

4. VECTOR ANALYSIS. An elementary study of the complex variable. The application of vectors to scientific and engineering problems. Prerequisite, Courses 1 and 2 or their equivalent. Thursday, 8:15, Room 111. *One hour, two terms.*

5. STATISTICAL GRAPHS. The construction of graphs of various kinds, but particular emphasis will be laid on the best representation of economic and sociological data. Thursday, 8:15, Room 111. *One hour, Spring term.*

NORWEGIAN

(See Scandinavian Languages)

PHILOSOPHY

1. INTRODUCTION TO PHILOSOPHY. A beginners' course, introducing the student to the fundamental methods and problems of philosophy in metaphysics, logic, and ethics, with a brief exposition of the chief modern systems. Lectures and discussions. Mr. Bates. Saturday, 8:15, Room 104. *One hour, three terms.*

101. PHILOSOPHICAL LITERATURE. See Course 101, Literature and Philosophy in General Literature under English, American and General Literature and Rhetoric.

104. AESTHETICS. A survey of the philosophy of the beautiful, historically and comparatively, with a view to arriving at deductions of universals that may satisfy and enlarge the experience and consciousness of beauty. Mrs. Parsons. Thursday, 7:15, Room 112.

Two hours, three terms.

POLITICS

Mr. Down

AMERICAN CITIZENSHIP

One-year and Three-year Programs of Study

The Portland Center offers two special programs of study in American Citizenship, a one-year program and a three-year program, though the one-year program is identical with the first year of the three-years' scheme. It is thus made possible for the student to stop at the end of one year, or to continue for the longer period of three years. The accomplishment of either program is recognized by a special certificate of advanced study in American Citizenship, from the University of Oregon. *Attention is earnestly called to the fact that these courses are courses of university grade, and therefore intended, not for unlettered aliens, but especially for American citizens who plume themselves on their enlightened Americanism, but only too often are ignorant of their country's basic institutions, history, traditions, peculiar genius, and distinctive ideals.*

ONE YEAR COURSE

History 1. World History.

History 173. The Historic Foundations of American Life and Institutions (1607-1815).

American Literature 1. American Literature as an Expression of the Developing American Spirit.

Civics 1. Civics for American Citizens.

THREE YEARS' COURSE

First Year: Identical with One Year Course.

Second Year: History 171. American Life and Institutions in their Development since 1812.

History 172. American World Relations.

Economics 1. Principles of Economics (including survey of Industrial History).

Sociology 1. Principles of Sociology.

Third Year:

History 145. Historical Study of Political and Social Unrest.
a. The Russian Revolution from 1850-1920.
b. The Revolutionary Epoch in England, 17th Century.
c. The Revolutionary Epoch in France, 18th Century.

Economics. Industrial Problems.

American Literature. Representative Masterpieces of American Literature as Documents of American Life.

1. CIVICS FOR AMERICAN CITIZENS. A course descriptive, in the civic point of view, of present day governmental, social, religious, economic and intellectual structures, operations and problems in the United States. The range and order of topics will be approximately as follows: The American Environment. Geographical factors in the national life and progress. Constitution of our population and its significance. Nature and forms of our government. Rights and duties of citizens. Popular control. Suffrage and elections. Party organizations and machinery. Local and state government. Municipal problems. The National Constitution. Congress and the presidency and problems arising out of their relations. The Judiciary; problems of the American courts. The Federal departments; the problems of bureaucracy. The movement towards new types of political organization and interests. Relations of government to business. The labor problem. The agricultural interests. Conservation. Immigration. Social welfare. Education. Freedom of Thought and Educational Freedom. Wednesday, 8:15, Room 105.

One hour, three terms.

PSYCHOLOGY

Dr. KOHS

Miss HAGER

1. ELEMENTARY PSYCHOLOGY. Lectures, discussions and classroom demonstrations covering the principles involved in such mental phenomena as attention, sensation, memory, reasoning, instinct, emotion, etc. A brief survey of the nervous system and its relation to consciousness. The course will also present a bird's-eye view of the relation of psychology to advertising, law, medicine, social work, eugenics and vocational guidance. Texts: Woodworth, Psychology, Henry Holt; Swift, Psychology and the Day's Work, Scribners. Miss Hager. Thursday, 7:15, Room 113.

Two hours, three terms.

2. EXPERIMENTAL PSYCHOLOGY. A course which is designed to demonstrate principles of psychology studied in Course 1 and open only to those who have had Course 1 or its equivalent, or are now taking Course 1. Simple experiments in habit formation, sensation, perception, attention and other phases of conscious behavior will be performed. Detailed notes for each experiment must be handed in weekly. Registration will be limited to 20. Laboratory fee, \$2.00 each term. Miss Hager. Friday, 7:15-9:15, Room 111.

One hour, three terms.

103. MENTAL HYGIENE. The purpose of the course is to outline the technique of individual mental adjustment to the complexities and difficulties of daily life. The following are some of the subjects treated: the nature and importance of the sympathetic nervous system; the glands of internal secretion; the integration of mental processes; economy and technique of mental work; mental conflicts; the psychological effects of success and failure; the hygiene of sleep, rest and play; superstition, prejudices, mental habits, fears and phobias; neuroses and psychoses; disturbances of personality; sublimation; the psychology of Adler, Freud and Jung; sex hygiene in relation to mental health, moral development and misconduct; hygiene of adolescence; rules of mental hygiene. (To be offered in 1923-1924.)

104. ADVANCED MENTAL HYGIENE. This course will acquaint the student with the variety of problems now receiving the attention of the mental hygiene movement. The nature and function of the National Committee for Mental Hygiene and its constituent state societies will be discussed. Included in the content of the course will be such matters as psychiatric social work; the mental health clinic, its organization and function; the psychopathic hospital; the relation of mental hygiene to problems in public health, to education, to social work and to industry; racial psychopathology and statistics of mental diseases in the United States and other countries; provision for the feeble-minded and the insane, with special emphasis upon the English Mental Deficiency Act and the work of the Voluntary Associations for the Care of the Feeble-minded in England. Course 103, Mental Hygiene, is a prerequisite. Mr. Kohs. Tuesday, 7:15, Room 110.

One hour, three terms.

124. ADVANCED PSYCHOLOGY. A more detailed examination of the mental processes and their physiological correlates than Course 1 offers. Nervous system, reflexes, habit, sensation and perception will constitute the subject matter of this course, with frequent demonstrations of experimental methods. Course 1 or its equivalent is a prerequisite. For advanced undergraduates and graduates. Miss Hager. Wednesday, 7:15, Room 113.

One hour, three terms.

125. ADVANCED PSYCHOLOGY. This course parallels Course 124 but deals with the problems of attention, memory, imagination, association, etc. Class demonstrations and the performance of simple experiments, whenever practicable, will constitute an important part of the work. A brief survey of the foundations, postulates and methods of psychology will complete the course. Course 1 or its equivalent is a prerequisite. Either this course or Course 124 may be taken separately, but the student is earnestly recommended to take the two in conjunction. For advanced undergraduates and graduates. Miss Hager. Wednesday, 8:15, Room 113.

One hour, three terms.

126. PROBLEMS OF PERSONALITY. Psychology of the instincts and the emotions as basic to a conception of character and personality. An examination of the inherited and acquired reactions constituting the self, especially in its relation to the social environment. Course 1 is a prerequisite. (To be offered in 1923-1924.)

127. GENETIC PSYCHOLOGY. A detailed study of the psychology of G. Stanley Hall as it relates to the mental and physical development of adolescence. (To be offered in 1923-1924.)

201. SOCIAL APPLICATIONS OF PSYCHOLOGY. A seminar course in which principles of human behavior are applied to such phases of social inadequacy as insanity, feeble-mindedness, criminality, prostitution, vagrancy, pauperism, etc. (To be offered in 1924-1925.)

202. SOCIAL MISCONDUCT. An advanced course reviewing historically the underlying tendencies which have made for the solidifying of social standards. The peculiar psychological factors involved in violations of the mores will be analyzed, and the past and present social practices in handling those who deviate

from or who violate these standards will be presented. A final summation will be attempted, outlining a social and individual program for the future. The course will be conducted as a seminar, individual contributions in the form of prepared theses being expected from each member of the group. Mr. Kohs. Tuesday, 8:15, Room 110.

One hour, three terms.

PUBLIC SPEAKING

Mrs. SENN and Assistants

Three-years' Program of Work

Two different three-year programs of study, the one in Oratory, the other in Dramatic Interpretation, are offered by the Department of Public Speaking. In each case, it will be noticed, the program is made up, to the extent of about one-half, of courses directly in the Public Speaking Department, and the other half of related and supporting courses. The successful completion of either program will be recognized by a special certificate from the University of Oregon.

PROGRAM IN ORATORY

First Year:

Public Speaking 1. Fundamentals.
Public Speaking 2. Extempore.
Rhetoric 1. English Composition.
English Literature 1. Outline History of English Literature.

Second Year:

Public Speaking 2. Voice.
Public Speaking 4. Argumentation or
Public Speaking 101. Oratory.
Psychology 1.
American Literature, or
English Literature, approved course.

Third Year:

Public Speaking 104. Advanced Vocal Study, or
Public Speaking 101. Oratory.
Rhetoric 2. Advanced Composition.
American History, or Logic, approved course.

PROGRAM IN DRAMATIC INTERPRETATION

First Year:

Public Speaking 1. Fundamentals.
Public Speaking 2. Voice.
Rhetoric. English Composition.
English Literature 1. Outline History of English Literature.

Second Year:

Public Speaking 5. Dramatic Interpretation.
Public Speaking 103. Impersonation, or
Public Speaking 104. Advanced Vocal Study.
Psychology 1.
American Literature, or
English Literature, approved course.

Third Year:

Public Speaking 102. Advanced Course for Public Readers.
Public Speaking 103. Impersonation, or
Public Speaking 104. Advanced Vocal Study.
Criticism or Aesthetics, approved course.
English or American Literature, approved course.

1. FUNDAMENTALS OF PUBLIC SPEAKING AND INTERPRETATION. This course includes the elementary training of voice and body, development of the expression of the individual personality, and vocal interpretation of literature. The endeavor is made to show the student the means of translating his thoughts and feelings into effective speech. Practical exercises will be given in voice culture, articulation, enunciation, poise and gesture. This class will be offered in three sections. Monday, Wednesday, Friday.

First Division, 6:15, Story Hour Room, Central Library.

Second Division, 7:15, Room 116, Lincoln High School.

Third Division, 7:15, Room 112, Lincoln High School.

Two hours, three terms.

2. PRINCIPLES OF VOICE. The voice depending upon the co-ordination of all parts of the vocal organs, the student in this course will be taught the theory of voice; the anatomy of the vocal organs; practical exercise to control and develop the essential vocal muscles; how to develop the modulated, full carrying voice with high and low tones; practical instructions on how to speak at length and yet be free and loose about the throat; the way to control the chest and diaphragm muscles; practical exercises in correct breathing and articulation; the most natural and easy position of the body for public speakers. This class will be offered in three sections. Monday, Wednesday, Friday.

First Division, 8:15, Room 113, Lincoln High School.

Second Division, 6:15, Story Hour Room, Central Library.

Third Division, 6:15, Story Hour Room, Central Library.

One hour, three terms.

3. PRACTICAL COURSE IN EXTEMPORE SPEAKING. To develop the power to think when upon the feet, and to secure a vocabulary of delivery as well as of words. The student will receive practical exercises and studies to help him achieve a logical method of thought and presentation and a control of feeling, useful to awaken in him a true ideal of oratory, as well as for extempore talks and discussions. Monday, 7:15, Room 113.

One hour, three terms.

4. ARGUMENTATION AND DEBATE. Study and application of the principles of argumentation. Questions of the day studied and discussed. The aim is to develop, especially in the extempore speaker, the skill and habit of logical analysis, discrimination and

structure. This course presupposes at least Course 1, 2 or 3. (To be offered in 1923-1924.)

5. DRAMATIC INTERPRETATION. Advanced Course. A study of deliberate and spontaneous attention to the development and control of imagination and emotional energies. Artistic spontaneity, which is a coordination of the deliberative and the impulsive, is the deepest problem in the development of expression. This course will include the vocal interpretation of masterpieces from Shakespeare, Browning, etc., as well as poetry and prose from the later writers. Tuesday, 8:15, Room 113.

One hour, three terms.

101. ORATORY. Study of methods of oratorical address and sources of power. Structure of the oration; qualities of the good oration; the preparation and delivery of speeches. Study of representative orations. An advanced course presupposing not only Courses 4 and 5 for Public Speakers, but also at least fundamental Courses 1 and 2. Friday, 7:15, Room 113.

One hour, three terms.

102. ADVANCED COURSE FOR PUBLIC READERS. Public reading as a fine art. In the work of the platform the reader or lecturer occupies the center of attention and must be able to awaken and sustain interest without the help of fellow performers, scenery, or any of those other accessories which lighten or at least differentiate the task of the ordinary stage interpreter. The art is therefore a difficult one with very special problems of its own. To further the work of this course, formal and informal recitals affording practical platform experience will be given. Tuesday, 6:15, Story Hour Room, Central Library.

Two hours, three terms.

103. IMPERSONATION. Pantomimic problems; story-telling in all its forms, from simple after-dinner stories to dramatic and epic narration. (To be offered in 1923-1924.)

104. ADVANCED VOCAL STUDY AND HARMONIC TRAINING OF THE BODY. Progressive vocal exercises based on physiological and psychological principles. A study of assimilation, dramatic instinct, tone color and movement of the higher expressive modulations of the voice. Development of grace and ease in relation to expression; coordination of voice and body; difference between

organic and psychological training of the body. (To be offered in 1923-1924.)

105. SHORT PLAYS. Short plays will be studied from the vocal interpretative standpoint. Students will be drilled in the technique of character portrayal, management of voice and body in acting, etc. Students showing sufficient ability will be used in public presentation of these plays. Thursday, 7:15, Room 106.

Three hours, three terms.

ROMANCE LANGUAGES

Madame FROST

Professor WARRINGTON

Mr. RE

FRENCH

1. BEGINNING FRENCH. Careful study of the main facts of French grammar with practice in pronunciation. Reading of easy French prose. French will be used as the language for conducting the course at as early a date as possible. Madame Frost. Tuesday and Thursday. First Division, 7:15; Second Division, 8:15; Room 107. *Two hours, three terms.*

2. SECOND YEAR FRENCH. A course in French syntax with exercises in composition and oral practice. Readings from standard French authors. To be conducted in French. Madame Frost. Wednesday, 7:15, Room 107. *One hour, three terms.*

101. SEVENTEENTH CENTURY FRENCH LITERATURE. A general survey of the period, with intensive study of the chief works of a number of the most representative writers. (To be offered in 1924-1925.)

102. EIGHTEENTH CENTURY FRENCH LITERATURE. A general survey of the period, with intensive study of the chief works of a number of the most representative writers. Madame Frost. Wednesday, 8:15, Room 107. *One hour, three terms.*

103. NINETEENTH CENTURY FRENCH LITERATURE. A general survey of the period, with intensive study of the chief works of a number of the most representative writers. (To be offered in 1923-1924.)

FRENCH FOR PRACTICAL AFFAIRS. (See courses offered by School of Business Administration under Commercial Languages.)

ITALIAN

1. ELEMENTARY ITALIAN. Grammar, pronunciation, conversation, reading and composition. Italian will be used as much as possible. Special attention will be given to the needs of singers. Mr. Re. Saturday, 7:15, Room 105. *One hour, three terms.*

2. SECOND YEAR ITALIAN. Review of grammar, syntax, etymology, composition, and reading, with occasional lectures on topics relating to Italian civilization. Classes given in Italian. Mr. Re. Saturday, 8:15, Room 105. *One hour, three terms.*

3. NINETEENTH CENTURY ITALIAN NOVEL. Twelve of the greatest novelists of the Nineteenth century: Manzoni, Bazzoni, Grossi, Azeglio, Cantu, Guerrazzi, Tammaseo, Rosini, Rovani, Nievo, Verga, Fogazzaro and d'Annunzio will be studied. Mr. Re. Tuesday, 8:15, Room 104. *One hour, three terms.*

SPANISH

1. SPANISH 1. The aim of this course is to give a foundation in the rudiments of the Spanish language. Pronunciation and the fundamental rules of syntax will be taught by means of oral drill and written exercises. The reading of a simple text will be taken up early in the course and will furnish the basis for conversation. Mr. Warrington. Tuesday and Thursday 7:15, Room 114. *Two hours, three terms.*

2. SECOND COURSE IN SPANISH. This course consists of a rapid review of grammar, advanced work in syntax, writing of short essays and reading of typical works by modern authors. Conversational writing exercises will be based upon easy Spanish narrative prose. The work will be conducted, as far as possible, in Spanish. Mr. Warrington. Tuesday and Thursday 8:15, Room 114. *Two hours, three terms.*

101. ADVANCED SPANISH. Survey of Spanish Literature. The development of Spanish Literature from the "Cantar de Mio Cid" and "Misterio de los Reyes Magos" to and including Antonio

Machado, Benavente, Ibanez, Vallaespesa, Alas, Baroja, Sierra and other present-day writers.

Fall term. Medieval Period and first part of the Golden Age. (XII-XVI).

Winter term. Concluding the Golden Age period. The 19th Century.

Spring term. Contemporary Literature.

Mr. Warrington. Friday 7:15, Room to be announced.

One hour, three terms.

FRENCH CLUB. The French Club of the University of Oregon Portland Center will be continued by Professor Warrington as a Round Table for the discussion, in French, of French commercial problems.

SPANISH CLUB. The Spanish Club of the University of Oregon Portland Center will be continued. All members of the Spanish classes are cordially invited to attend.

RUSSIAN

Mrs. VICK

1. ELEMENTARY RUSSIAN. Thorough study of the Russian grammar will be made, with aid of constant oral and written exercises. As early as possible the instruction will be given in Russian. Thursday 7:15, Room 116. *One hour, three terms.*

101. RUSSIAN LITERATURE OF THE 19th CENTURY. A general survey of this period, with study of representative works of Turgueniev, Dostoevsky, Tolstoy, and the "Moderns," Chekov, Gorky, Andriev and others. Thursday 8:15, Room 116.

One hour, three terms.

SCANDINAVIAN LANGUAGES

Mr. ENNA

1. ELEMENTARY DANISH-NORWEGIAN. Pronunciation, grammar, reading and conversation. Saturday 7:15, Room 108.

One hour, three terms.

2. DANISH-NORWEGIAN LITERATURE. Biographical and critical discussion of leading authors of Denmark and Norway with readings by the class of selections and typical works of these

authors. Occasional stereoptican lectures on Denmark and Norway will be given. So far as possible, the class will be conducted in Danish-Norwegian. Saturday 8:15, Room 108.

One hour, three terms.

SOCIOLOGY

Dr. PARSONS

Miss THOMSON

Mr. GRANT

Mr. BAIN

1. PRINCIPLES OF SOCIOLOGY. The associational aspects of human life are analyzed, with a view to discovering the determining factors and influences. Some social origins are considered, and development traced up to the present-day problems of the social complex. Mr. Bain. Friday 8:15, Room 110.

One hour, three terms.

2. HEALTH EDUCATION. The increasing emphasis that is being placed on the importance of teaching health subjects in the elementary schools is making a growing demand for teachers who have an understanding of the principles of school and child hygiene. The aim of this course is to show how health may be conserved by stimulating an interest in the formation of good health habits. A study will be made of the causes underlying mal-nutrition, recent discoveries in food values, use of corrective exercises, value of rest and normal weight in relation to height. Some time will be devoted to major and minor contagion, early symptoms, epidemics, health legislation, local and state health bureaus. Miss Thomson. Monday 7:15, Room 111.

One hour, three terms.

3. THE SEX LIFE OF MAN. A course for men. This course is arranged to meet the demand for scientific information concerning sex and heredity. The relationship between the sexes will be scientifically and frankly treated as they affect the individual, the home, the various other social groups and the race. The course will be of value primarily to young men who have entered or who contemplate entering the marriage relation and anticipate the rearing of a family. A normal amount of selected reading will be required. For those desiring it, there will be opportunity for discussion after each lecture. Mr. Grant. Wednesday 7:15, Room 106.

One hour, fall term.

4. BIOLOGY AND SOCIAL ADJUSTMENTS. A course in sex problems for teachers and social workers. This course has been prepared to open up for those interested a broad field of social endeavor that is coming into prominence and for which many trained workers will be needed. The course will trace the development of man with special reference to his sex life. It will also trace the evolution of the conventions which regulate our social relations. Special emphasis will be given the educational work needed to make possible more satisfactory adjustments between human beings and their civilized environment. Mr. Grant. Monday 7:15, Room 110. *One hour, three terms.*

5. SEX PROBLEMS OF THE HOME AND THE CHILD. A course for mothers. This course is introduced in response to a demand from mothers for accurate information concerning the sexual life of the child. The course will outline the development of the human race and the development of the social structure in which we live with special reference to the sex problems involved in the adjustment of the individual to the environment. Emphasis will be placed upon education in home and school for the solution of the problems discussed. Mr. Grant. Monday 8:15, Room 110. *One hour, three, terms.*

6. NORMAL MOTHERHOOD. This course is designed to meet the demand for scientific information in regard to pre-natal, natal, and infant welfare. We shall have the assistance of Dr. Estella Ford Warner, State Health Department, Bureau of Child Hygiene. The course will consist of lectures, demonstrations and class discussion. Miss Thomson. Thursday 4:30 p. m., Central Library, Room "A." *One hour, three terms.*

101. SEMINAR IN HEALTH EDUCATION. In this course a study will be made of the methods used in teaching health habits in the schools of America and foreign countries; the relation of the various federal, state and private health agencies to the work of the schools and school attendance as affected by preventable diseases. Prerequisite, Health Education 1. Miss Thomson. Tuesday 7:15, Room 112. *Two hours, three terms.*

123. STATISTICS AND GRAPHIC PRESENTATION. An introduction to the science of interpreting social numbers such as statistics of births, marriages, deaths, disease, suicides, etc. Rates and their

significance will be studied. The course will include an analysis of the technic of curves and the various other forms of graphic presentation of social phenomena. Dr. Parsons. Tuesday 7:15, Room 111.

Two hours, fall term.

124. INDUSTRIAL SOCIAL PROBLEMS. This course includes a survey of those phases of industrial problems involving social workers most directly. Housing, health, social insurance and factory legislation will be touched upon and the broader aspects of organized labor, socialism, industrial democracy, etc., will be considered. Dr. Parsons. Tuesday 7:15, Room 111.

Two hours, winter term.

125. CRIMINOLOGY. A study of the nature and causes of crime and various proposals for its prevention and cure. Dr. Parsons. Tuesday 7:15, Room 111. *Two hours, spring term.*

SWEDISH

(Instructor to be announced)

1. ELEMENTARY SWEDISH. Pronunciation, grammar, reading and conversation. Friday 7:15, Room 114. *One hour, three terms.*

2. SWEDISH LITERATURE. A second course in Swedish whose purpose, while largely that of developing the student's proficiency in the language, is also to introduce him to some acquaintance with the literature. To this end representative works of great Swedish authors will be read and studied in their setting, in their period and in Swedish literature generally. So far as possible the course will be conducted in Swedish. Friday 8:15, Room 114.

One hour, three terms.

THE GRADUATE SCHOOL

It is possible, in a number of departments in the Portland Center, to accomplish the whole work for the degree of Master of Arts, and in other departments to accomplish at least some portion of that work. The advanced degree cannot be earned by the mere completion of a certain number of specific courses and hours, but demands the satisfactory covering of a major and a minor *field*. It is necessary, therefore, for the student looking towards the Master's degree in distinction from the mere earning of incidental graduate credits, to elect his major and minor lines of study, and, in consultation with his major professor, plan out his whole program of work, and afterwards carry it through under the advice and direction of the major professor. In the Portland Center, where, because of fewness of appropriate courses offered, so much of the student's work must be done individually, these conferences between him and his major professor—and his minor professor as well—should be frequent and regular.

For details see special bulletin of the Graduate School.

Any course in the Portland Center bulletin numbered 200 and upwards is designed expressly for graduate students.

Some upper division courses, i. e., those numbered from 100 to 199, may be elected for graduate credit, provided the student registers as a graduate student and is entitled so to register, and provided he does the additional advanced work required of graduate students beyond the ordinary undergraduate requirements of the course.

Graduate credit is not given for lower division courses, i. e., those numbered from 1 to 99.

Graduate students should record themselves as such not only in their classes and with their instructors, but should place their names on file at the Portland Center office. The dean of the Graduate School or his representative, may be consulted there, and all ordinary routine information secured.

SCHOOL OF ARCHITECTURE AND ALLIED ARTS

ART

Professor ADAMS Professor PARSONS Professor FAIRBANKS
Miss WUEST Mr. ZANE

AESTHETICS

104. See course 104 under Philosophy. Mrs. Parsons.

HISTORY OF ART

Miss WUEST

A survey of the rise and development of architecture, sculpture and painting from the beginnings of civilization to the present time, placing the different periods of art in chronological order with their proper historical backgrounds, and analysing the causes leading to special phases in the evolution of art. Reading and lectures will include a study of the important artists and examples of works of art characteristic of each school and period.

1. ANCIENT AND MEDIEVAL PERIODS. Rise of art. Origin of art. Primitive art in the Quarternary, Polished Stone and Bronze Ages. Egypt, Chaldea, Assyria, Babylonia, Persia. Greek Art. Aegean, Minoan and Mycenaen Periods. Period of Perfected Art. Hellenistic Epoch. Roman Art. Etrusean Period. Art during the Monarchy, the Republic and the Empire. The Roman Genius. Christian Art. Early Christian. Byzantine, Saracenic, Coptic. Romanesque and Norman Art. Gothic Art. Wednesday 8:00, Room 301. *One hour, three terms.*

2. RENAISSANCE PERIOD. Renaissance Art in Italy. Rise of Schools of Italian Painting. Renaissance Art in France. Flanders, Netherlands, Germany. (To be offered in 1923-1924.)

3. MODERN ART. (From Seventeenth Century to the Present.)
France, Spain, Flanders, Netherlands, England, America. (To
be offered in 1923-1924.)

CRAFTS

Miss WUEST

Mr. ZANE

Three-years' Program of Work

As will be noted, the courses in Crafts represent a consecutive scheme covering three years. The accomplishing of this work together with an equal amount in allied and supporting courses to be prescribed in each special case after consultation with the head of the Crafts work, will entitle the student to a special certificate from the University of Oregon.

1. METAL AND JEWELRY. Principles of constructive and decorative design. Processes and methods involved in piercing and etching metal. Work in copper, brass, aluminum and silver. Miss Wuest. Saturday 10:00 a. m., Room 301.

One hour, winter term.

2. METAL AND JEWELRY. Constructive and decorative design. Processes. Setting of stones, line carving and repousse. Work in copper and silver. Miss Wuest. Saturday 10:00 a. m., Room 301.

One hour, spring term.

3. METAL AND JEWELRY. Advanced. Design principles applied to specific problems. Processes. Setting of irregular stones, drops, pearls, etc. Simple carving. Miss Wuest. Saturday 9:00 a. m., Room 301

One hour, winter term.

4. METAL AND JEWELRY. Advanced. Work in silver and gold. Processes. Enameling and carving. Miss Wuest. Saturday 9:00 a. m., Room 301.

One hour, spring term.

5. BLOCK PRINTING. Methods and processes involved in the cutting and printing of linoleum and wood blocks on different kinds of materials. Decoration developed by means of block printing. Mr. Zane. Saturday 10:00 a. m., Room 301.

One hour, fall term.

6. BLOCK PRINTING. Color. Decoration developed by use of two or more blocks. Use of wood block for commercial work. Study of Japanese methods. Mr. Zane. Saturday 9:00 a. m., Room 301.

One hour, fall term.

7. BOOKBINDING. Principles of constructive and decorative design in relation to the making of books. Processes. Single section, tape binding, cord binding, etc. Mending and rebinding old books. Leather tooling. (To be offered in 1923-24.)

8. TEXTILES, BATIK. Development of design in relation to Batik. Study of the work of the Javanese people, and methods of modern application. Study of dyes and methods and processes of dyeing different kinds of material. Work in tied and dyed design and shade dyeing. (To be offered in 1923-1924.)

9. TEXTILES, WEAVING. Methods and processes involved in hand loom weaving. Preparation of loom. Work in the various kinds of materials. Dyes and dyeing. (To be offered in 1923-1924.)

GRAPHIC STATICS

Professor ADAMS

The two following structural courses are valuable for contractors, builders, draftsmen, machinists, and any one interested in structural work of any kind.

1. GRAPHIC STATICS. Methods of finding the amount of stress in the different parts of framed structures, such as trusses, machinery, etc. Graphic constructions are used, thus requiring no previous mathematical preparation. Stress sheets are fully worked out for all types of trusses, including roof, cantilever, three-hinged arch, highway and railroad trusses. Saturday 7:15, Room 305.

One hour, three terms.

2. ELEMENTARY STRUCTURAL DESIGN. The principles that enable one to compute the proper sizes to use in the various parts of trusses, machines, steel frame work or any other objects that are under stress, are explained and applied to practical problems. The applications include trusses in both wood and steel, machine parts, riveting, plate girders, reinforced concrete and arches. Saturday 8:15, Room 305.

One hour, three terms.

PUBLIC SCHOOL ART

Miss WUEST

Mr. ZANE

The courses in Design, Representation and Methods, taken together constitute a coherent program covering three years, and devised especially to meet the needs of public school teachers of Art. The accomplishment of these courses, together with those in History of Art, will entitle the student to a special certificate from the University of Oregon.

1. DESIGN AND COMPOSITION. Consideration of the general principles underlying design and composition and their relation to each other. Proportion, arrangement and spacing of line and mass as a basis for decoration. Mr. Zane. Tuesday 7:15, Room 301.

One hour, fall term.

2. DESIGN AND COMPOSITION. Natural forms as a basis for decoration. Analysis of forms. Conventionalization and adaptation. Study of the fundamental principles governing line, form, tone and color relations. Miss Wuest. Thursday 7:15, Room 301.

One hour, winter term.

3. COLOR. Development of color standards, appearances and harmonies. Mediums used to expresss color in pictorial and decorative art. (To be offered in 1923-1924.)

4. LETTERING. Fundamental principles of letter construction. Types and styles of letters. Lettering for commercial and decorative purposes. Mr. Zane. Tuesday 7:15, Room 301.

One hour, spring term.

5. COMMERCIAL. Composition and design in relation to commercial problems. Methods of interpretation. Rendering in black and white and color mediums. (To be offered in 1923-1924.)

6. COMMERCIAL. Lettering and Decoration. Consideration of the decorative element in lettering with the aim of presenting good standards in letters which may be applicable to many fields of art. Fundamental principles of poster design. Materials, mediums and methods of rendering. Mr. Zane. Tuesday 8:15, Room 301.

One hour, fall term.

7. INTERPRETATION. Study of symbolic and historic decoration. Abstract design. Originality in interpretation of natural forms for symbolic design. Study of line, mass, tone and color relations. Miss Wuest. Thursday 8:15, Room 301.

One hour, winter term.

8. DESIGNING FOR TEXTILES. Application of design principles to problems for the decoration of different kinds of textile materials. Designs for woven and printed materials. Commercial designing. (To be offered in 1923-1924.)

9. DESIGNING FOR REPRODUCTION. Consideration of subject matter used for the decoration of books, magazines, etc. Illustration and advertising material. Study of composition, design and color in its relation to reproduction processes. Mr. Zane. Tuesday 8:15, Room 301. *One hour, spring term.*

REPRESENTATION

Miss WUEST

Mr. ZANE

1. REPRESENTATION. Study of the laws governing the appearance of form. Freehand perspective. Application of principles to the freehand drawing of objects and nature subjects. Miss Wuest 7:15, Room 301. *One hour, fall term.*

2. REPRESENTATION. Structural Drawing. Application of the principles governing the appearance of form to the drawing of objects. Perspective of interiors and exteriors. Sketching and memory drawing. (To be offered in 1923-1924.)

3. PICTORIAL COMPOSITION. Elementary. Principles of spacing and arrangement with reference to pictorial expression. The application of freehand drawing for decorative purposes. Light and shade, values and color harmonies. Mr. Zane. Tuesday 7:15, Room 301. *One hour, winter term.*

4. PICTORIAL COMPOSITION. Advanced. General basic principles of the composition of line, mass and color. Structure in landscape composition. Effects of changes in values and color combinations. Fundamental principles of figure drawing. Decorative use of figure. Miss Wuest. Thursday 7:15, Room 103. *One hour, spring term.*

5. COMPOSITION, PENCIL, PEN AND INK. Technique of pencil rendering in line and mass treatments. Methods of rendering with pen and ink. Pictorial and decorative compositions. Miss Wuest. Thursday 8:15, Room 301. *One hour, fall term.*

6. COMPOSITION, PAINTING IN OIL. Theory and practice. Problems in the harmony of color and balance of values. Structure in landscape painting. How to select from nature. Composition and interpretation of subject for decorative painting. Miss Wuest. Thursday 8:15, Room 301. *One hour, spring term.*

7. COMPOSITION, PAINTING IN OIL. Advanced. Problems in color composition. Pictorial and decorative interpretation. Technique of medium and methods of rendering. (To be offered in 1923-1924.)

8. COMPOSITION. TEMPERA AND SHOW CARD COLORS. The use of opaque mediums in decorative art. Color composition and harmonies. Technique of mediums and methods of rendering. (To be offered in 1923-1924.)

9. COMPOSITION, WATER COLOR. The use of transparent water color in pictorial and decorative expression. Color composition and harmonies. Study of Japanese brush work. Technique of medium and methods of rendering. Mr. Zane. Tuesday 8:15, Room 301.

One hour, winter term.

METHODS

Miss WUEST

1. DESIGN. A systematic study of the subject of design as developed in a course of study for the elementary schools. Standards to be attained. Class room methods. Work in line, mass and color. Miss Wuest. Thursday 4:15, Room 301.

One hour, fall term.

2. REPRESENTATION. Consideration of the subject of the appearance of form as presented in elementary education. Free-hand drawing. (To be offered in 1923-1924.)

3. INDUSTRIAL ART. Primary Handwork. Study of problems in related handwork. Correlation of subject-matter. Problems for daily lessons and special events. Materials, constructive processes and decoration of problems. Miss Wuest. Thursday 4:15, Room 103.

One hour, spring term.

4. INDUSTRIAL ART. Paper, Cardboard, Wood. Work in planning, measuring, and the construction of simple articles of use. Tools and materials. Methods and processes involved in class room projects. (To be offered in 1923-1924.)

5. INDUSTRIAL ART. Textiles. Design in its relation to textile materials. Processes. Needle weaving, stencilling, block printing and applique. Materials and their combination. Color harmonies. (To be offered in 1923-1924.)

6. INDUSTRIAL ART. Crafts. Art and Industry. Study of materials and processes involved in the manufacture of different articles of every day use. Projects developing appreciation and acquaintance with various materials. Decoration and construction. (To be offered in 1923-1924.)

7. COMMERCIAL. Lettering. Poster design. Construction and grouping of letters. Standard alphabets. Design in its relation to lettering. Commercial problems. Fundamental principles of poster design. Materials, mediums and methods of rendering. (To be offered in 1924-1925.)

8. PICTURE STUDY. Consideration of pictures from the stand-point of the public schools. Subjects which may be used to develop an appreciation for good pictures and acquaint students with some of the great works of art. Correlation with other school subjects. Thursday 4:15, Room 301.

One hour, winter term.

9. CORRELATION. Methods of presentation. Subject-matter and its relation to geography, history, reading and arithmetic. Lesson steps and plans. Creative subjects, imaginative work, object and memory drawing. The selection and use of illustrative material. (To be offered in 1924-1925.)

SCULPTURE

Professor FAIRBANKS

1. SCULPTURE. Modeling from human figure. Course will be of benefit to those interested in sculpture, as well as other forms of expression, such as illustrating, designing, cartooning, drawing and painting. Friday 7:15, Labbe building.

One hour, three terms.

2. SCULPTURE IN THEORY. Lecture course arranged for the theoretic study of the processes and methods of the sculptor's art, sculpture composition, and the ideals and aims of the art of sculpture. Friday 8:15, Labbe building. *One hour, three terms.*

3. DRAWING. Sketch Class. The modeling and drawing will be from life. Saturday 7:15, Labbe building.

One hour, three terms.

4. ARTISTIC ANATOMY. Lecture course arranged for students desiring a better conception of the human figure and its construction. Saturday 8:15, Labbe building. *One hour, three terms*

SCHOOL OF BUSINESS ADMINISTRATION

ACCOUNTING

Mr. BOLITHO

Three-years' Program of Work

The schedule of courses in Accounting as laid out, implies, normally, for its accomplishment a period of three years. The student successfully completing all these courses, in addition to certain other specified courses in English, Economics, and Economic or other history, will be awarded a special certificate of study by the University of Oregon.

1. ACCOUNTING PRINCIPLES FOR ACCOUNTANTS. This course will take up the study of accounting principles as applied to the proprietorship, the partnership and the corporation. Retail, wholesale, and manufacturing accounting will be studied. The construction, operation, criticism and interpretation of single and double entry accounting systems will be taken up. Financial statements will be given special attention. Many special topics will be included. Monday and Wednesday 7:15, Room 115.

Two hours, three terms.

2. COST ACCOUNTING. This course will take up the study of the elements of cost methods, of cost-finding, factory routine and detailed reports, the compilation and summarization of the cost records by the financial books, cost systems and their installation, simplified cost-finding methods and cost plus contracts. (To be offered in 1923-1924.)

3. ADVANCED ACCOUNTING. This course will take up advanced work in partnership and corporation accounting. The accounts of the holding company and consolidations will be studied; also the accounts of executors, administrators, trustees, receivers, etc. Many advanced special topics will be included. Friday 7:15, Room 115.

Two hours, three terms.

4. AUDITING. This course will take up the theory and practice of auditing. The duties and responsibilities of auditors will be considered; also the balance sheet audit, the test and scrutiny audit, and the detailed audit. Special audits, examinations, in-

vestigations and auditor's reports will be considered. Special subjects will receive attention. Tuesday and Thursday 8:15, Room 115. *Two hours, three terms.*

5. INCOME TAX PROCEDURE. This course will take up a study of the Federal Income Tax Laws, their interpretation and their application. Treasury Department Rulings and Federal Court Decisions will be studied. Federal Income Tax Reports will be made by the student. The individual return and the corporation return will be emphasized. A comparison as between good accounting practice and federal requirements will be made. The 1921 law will be studied. Monday 8:15, Room 115.

One hour, two terms.

6. MATHEMATICS FOR THE ACCOUNTANT. This course will take up a study of simple interest, accounts current, foreign exchange, powers and roots, logarithms, compound interest and present worth, annuities, sinking funds, the valuation of assets, amortization, the valuation of bonds, and the slide rule. Problems given in the examinations conducted by the American Institute of Accountants will be taken up. Monday 8:15, Room 115.

One hour, spring term.

7. C. P. A. PROBLEMS. This course will take up the solution of problems given in the various examinations in practical accounting by the American Institute of Accountants, the Oregon State Board of Accountancy, and other state boards of accountancy. Saturday 7:15, Room 115. *Two hours, three terms.*

ADVERTISING

Mr. KIRKPATRICK

The Portland Center of the University of Oregon offers its work in advertising in consultation and cooperation with the Portland Ad Club.

The study of advertising in all of its necessary branches is planned as a three-years' course in order that students may complete the work fully equipped to take up advertising as a vocation or as an important adjunct to other commercial pursuits. While the full three-years' course is not obligatory, it is highly recommended, and will be necessary if students desire to obtain recognized standards of training. This three-years' program, as

sketched below, includes, it will be noted, courses from other departments, which are intended to give adequate foundation to, or to supplement the strict professional work. The accomplishment of this program of study will be recognized by the University of Oregon by the granting of a special certificate.

<i>First Year:</i>	<i>Second Year:</i>	<i>Third Year:</i>
Elementary Advertising.	Advanced Advertising.	Advertising as a Profession.
English Composition 1.	English Composition 2.	
Psychology 1.	Economics.	Industrial History. Sociology 1.

1. ELEMENTARY ADVERTISING. Theory and practice of advertising; relationship to business and finance; principles and fundamental factors governing application; analysis and determination of data underlying successful campaign. Tuesday 7:15, Room 103. *Two hours, three terms.*

101. ADVANCED ADVERTISING. Practical application of advertising principles; making the campaign; preparation of copy; laying out the advertisement; illustration and reproduction; advertising media. classification, purchase and use. Monday 7:15, Room 103. *One hour, three terms.*

103. ADVERTISING AS A PROFESSION. The advertising agency; the advertising manager; ethics of advertising practice; the seller of media and his obligation to advertiser; the buyer of space and what he must seek. (To be offered in 1923-1924.)

BUSINESS LAW

Mr. HILTON

1. BUSINESS LAW.

a. What is Law; a general view of various branches of Law; the relation of Law to business, Contracts, their formation, offer and acceptance, performance and discharge; impossible and illegal contracts. Statute of Frauds and Statute of Limitations in connection with Contracts. Monday 7:15, Room 105. *Two hours, fall term.*

b. Sales of Goods; transfer of property and title; destruction of goods and risk of loss; obligations of seller and buyer; remedies of the buyer and of the seller on the contract; Statute of Frauds. The Uniform Sales Act. Bailments; general and special classes of bailments, including those involving exceptional liability; duties and limits of liability of bailments for hire, for

accommodation of bailor and bailee, pledge, warehousemen, inn-keepers and common carriers. Monday 7:15, Room 105.

Two hours, winter term.

c. Agency; the nature of the relation; appointment; liabilities of principal and of agent; undisclosed principal doctrines; delegation of agency; termination and ratification; partnership; how formed and nature of a partner's interest; mutual rights and duties of partners and their liabilities; actions between partners; dissolution of the partnership. Monday 7:15, Room 105.

Two hours, spring term.

2a. NEGOTIABLE INSTRUMENTS. Essential differences from other instruments; the form of a bill and note, acceptance, delivery, consideration; transfer, holder in due course; liability of the several parties to a note. Corporations; nature of a corporation, and how created; corporate powers; liabilities of officers and stockholders; advantages and disadvantages of doing business as a corporation. Bankruptcy; its history and purpose; who may be bankrupt, circumstances that may force one into bankruptcy; exemptions and duties of the bankrupt; the effect of bankruptcy on various kinds of claims. Wednesday 7:15, Room 105.

One hour, fall term.

2b. LANDLORD AND TENANT. Creation of relationship, obligations, and remedies of each. Property in Land, execution of deeds and other instruments; Title by adverse possession; Statute of Frauds as to sales of land by principal and agent. Wednesday 7:15, Room 105.

One hour, winter term.

2c. LIENS ON CHATTELS AND REAL PROPERTY. Mechanics and Materialmen's Lien's; liens on automobiles, various other liens; how enforced and usual defects. Descent and distribution of property after death. Wills; the value of a will, how made and revoked; various ways of disposing of property before and after death. Wednesday 7:15, Room 105.

One hour, spring term.

COMMERCIAL LANGUAGES

Professor WARRINGTON

Any courses in Romance Language offered by the University College are useful also to the student of business and are open to him, but the ones suggested below are projected with his needs specifically in view.

4. FRENCH FOR PRACTICAL AFFAIRS. Conversation on French history and geography and present day conditions in France, followed by a study of the French language through selected texts as given by Professors Boitel, Coquet and Gainsette, in "Le Français par la Lecture." Monday 7:15, Room 114.

Two hours, three terms.

SPANISH

(See courses offered by the University College under Romance Language.)

FOREIGN TRADE

1. FOREIGN TRADE. The central aim of this course is to be practical. It should be taken in connection with Trade Geography, the following hour. The outline, very briefly, is as follows: introductory discussion of the balance of trade idea; movement of gold and banking; credits; the economic basis of foreign trade; sources of information; governmental publications in the United States and abroad; private agencies; foreign trade statistics; developing the foreign markets; adapting the commodity to the consumer; planning the development of foreign markets; direct representation in the foreign field; traveling salesmen; advertising in branch houses; exclusive agencies; the export mercantile house, commission house, manufacturer's export agents; world tendencies; methods used by American exporters in cultivating export markets. Special emphasis will be laid on "paper" work, or documentation. Lectures and practice covering the different steps in four export transactions, with the proper use of papers and documents, including the following subjects: the inquiry; the quotation; the "firm" order; the purchase order; shipment to seaboard; the foreign freight forwarder; shipping procedure; ocean bills of lading; marine insurance; consular invoice; the financial papers; and practice upon papers for complete transactions. Friday 7:15, Room 114. *One hour, three terms.*

One hour, three terms.

GEOGRAPHY

Professor WARRINGTON

2. GENERAL TRADE GEOGRAPHY. EUROPE. The physical structure, natural divisions, climates, material resources, natural facilities

ties of communication by land and sea, and in general, the physical basis of European commercial life.

LATIN AMERICA. The physical features, climates and resources of the continent; their effects on the development and prospects of the several countries. Special attention is given to geographic influences on the trade between the United States and Latin America.

ASIA. A study of the continent by natural regions based on topography, climate and resources. The influence of the geographic condition on the life of each region and the relations of the several regions to one another. Geographic conditions likely to affect commercial relations between Asia and the United States and Europe. Friday 8:15, Room 114. *One hour, three terms.*

101. POLITICAL GEOGRAPHY. An advanced course pre-supposing the course in Foreign Trade and that in General Trade Geography. It is to be conducted in round-table fashion with readings and reports by members of the class, and general class discussions. As in Course 2, the fall term will cover Europe, the winter term Latin America, the spring term Asia.

EUROPE. A study and interpretation of the new political geography of Europe; old and new nations; boundaries; old and new routes of trade; changed economic conditions and relations; the meaning of all this for the commerce of the United States.

LATIN AMERICA. The countries and populations of Latin America; political, social, and cultural features; economic conditions; the problems and possibilities of United States trade with these countries.

ASIA. The peoples of Asia, their civilizations, polities, and economic conditions. The forces governing trade and its development in these lands. Wednesday 7:15, Room 114.

Two hours, three terms.

TRAFFIC

Mr. BEACH

1. TRAFFIC PROBLEMS. Aims to train executives in traffic procedure, a new and promising field for men interested in railway traffic administration and operation and in traffic departments of industrial enterprises. A study of the theory and procedure

of traffic management—traffic geography—rate zones and construction points, construction, study and application of the classifications and tariffs, special freight service, organization and procedure of railway and industrial traffic departments and Interstate Commerce Commission procedure. Monday 8:15, Room 112.

One hour, three terms.

Courses Offered for the American Institute of Banking, Portland Chapter

ACCOUNTING

Mr. BOLITHO

1. ACCOUNTING PRINCIPLES FOR BANKERS. This course will take up the study of accounting principles and their application to accounting in financial institutions. The construction, operation, criticism and interpretation of the double entry accounting system will be taken up. Financial statements will be given and many special topics included. Tuesday and Thursday 7:15, Room 115.

Two hours, three terms.

BANKING

Mr. WEBER

Mr. BOLITHO

1. ELEMENTARY BANKING. An elementary practical course to meet the needs of beginners in bank experience. Mr. Weber. Tuesday 7:15, Room 113.

One hour, three terms.

2. STANDARD BANKING. A course that concerns itself not only with some of the daily practices and problems of banking, but with the history and principles of money, credit and banking. Mr. Bolitho. Wednesday 8:15, Room 115. *One hour, three terms.*

BUSINESS LAW

Mr. HENDRICKSON

Mr. GEBHARDT

1. NEGOTIABLE INSTRUMENTS. The law of bills of exchange, notes, checks and other negotiable paper, with special reference to the banking business; together with practical illustrations of

the various methods of transferring title to negotiable paper, and including discussions of the subjects of form and interpretation, consideration, rights of the parties, presentment, notice of dishonor and discharge. Mr. Gebhardt. Tuesday 7:15, Room 116.

One hour, three terms.

2. COMMERCIAL LAW FOR BANKERS. This course will be based upon the text in Commercial Law issued by the American Institute of Banking and will cover the subjects of Contracts, Agency, Partnership, Probate of Estates, Corporations, Sales, Mortgages, Transfer of Stock, Bills of Lading and Bankruptcy with special attention given to the relation of these subjects to the banking business. The work will be supplemented by reference to the Oregon Law and by use of mimeographed forms. Mr. Hendrickson. Tuesday 8:15, Room 116.

One hour, three terms.

POLITICAL ECONOMY

Professor MILLER

1. PRINCIPLES OF POLITICAL ECONOMY. An analysis of the principles underlying production, exchange and distribution. Consideration of such problems as banking and currency reform, regulation of international trade, revenues and taxation, the labor movement, wages and prices, regulation of transportation agencies, control of trusts. etc. Wednesday 7:15, Room 112.

One hour, three terms.

PUBLIC SPEAKING

Mrs. SENN

3. PRACTICAL COURSE IN PUBLIC SPEAKING FOR BANKERS. To develop the power to think when upon the feet, and to secure a vocabulary of delivery as well as of words. The student will receive practical exercises and studies to help him achieve a logical method of thought and presentation and a control of feeling, useful to awaken in him a true ideal of oratory, as well as for extempore talks and discussions. Wednesday 8:15, Room 112.

One hour, three terms.

SCHOOL OF EDUCATION

EDUCATION

Dr. GREGORY

Professor DOUGLASS
Miss HARDY

Mr. RICE

101. EDUCATIONAL PSYCHOLOGY. This course is designed primarily to meet the needs of teachers, and deals not with unknown factors but takes up concrete experiences in the life of teachers and students and relates them to problems of learning and individual differences. Behavior as a whole will be considered from the start and gradually subdivided. The course will be worked out on the theory that students should learn by doing; that the project method is superior to memorization; that a functional psychology should be taught and individual differences in students should be taken into account. Each general principle is discovered by the students out of their own experience. In this way the experiments will be confined to the process of learning. Miss Hardy. Thursday 7:15, Room 103.

One hour, three terms.

102. MENTAL TESTS. A study of those tests which are of practical value to the teacher and social worker, including a review of the group tests now in use with emphasis on the technique of the group examination and interpretation and use of results in practical schoolroom problems. The tests taken up will be Terman, Army, Dearborn, Otis, Haggerty, National, and other group tests. A review of the individual tests with special emphasis on the Stanford Revision of the Binet scale, and practice in the use of the tests, will also be offered. Miss Hardy. Thursday 8:15, Room 103.

One hour, three terms.

103. PROBLEMS IN THE HIGH SCHOOL COURSE OF STUDY. A study of the factors operating in determining the subject-matter of high school courses of study. A course for high school teachers who are interested in keeping abreast of recent curricula movements and tendencies in their respective subjects. Values of subject-matter, aims of special subjects, reports of recent investigations and committees, analysis of recent texts and courses of study. Mr. Douglass. Saturday 7:15, Room 103.

One hour, three terms.

104. MEASUREMENT OF PROGRESS AND ACHIEVEMENT IN HIGH SCHOOL SUBJECTS. The uses and limitation, the technique of giving, scoring and following up standard tests and scales, the technique and principles involved in deriving and standardizing tests and scales for high school subjects. (During 1922-1923 special attention will be given to measurements in the field of foreign languages, science and mathematics.) Mr. Douglass. Saturday 8:15, Room 103. *One hour, three terms.*

105. ADVANCED SCHOOL ADMINISTRATION. For principals and others engaged in administrative work. A study of the special problems of supervision from the standpoints both of classroom instruction and the community at large. School costs and publicity. Duties of principals in getting the needs of the school before the public. Keeping up the school morale. Mr. Gregory. Friday 7:15, Room 103. *One hour, three terms.*

106. PROBLEMS IN PRESENT DAY EDUCATION. This course is designed for those who wish to make a detailed study of the practical work of the classroom, either from the standpoint of the teacher or of one who supervises the instruction. It will include classroom technique, discipline and related subjects. A study will be made of the curriculum of the elementary school and the place each subject which it includes occupies as a preparation for life's activities. Mr. Rice. Thursday 8:15, Room 104.

One hour, three terms.

201. GRADUATE COURSE IN THE HISTORY OF THE ELEMENTARY COURSE OF STUDY AND METHODS OF TEACHING. With special reference to the Portland schools. Work largely individual with regular weekly meetings for discussion and reports. Problems dealing with the history and development of the Portland schools will form the major part of the course. Open only to graduate students. Mr. Gregory. Friday 8:15, Room 103.

One hour, three terms.

SCHOOL OF MEDICINE

ANATOMY

Dr. FOSTER

1. A study of cell, tissue and organ structure of the human body and its general embryology. The morphological basis of general practical biological problems such as sex determination, heredity, etc., will be dealt with also. Lectures and demonstration. Monday 7:15, Room 104. *Two hours, fall term.*

2. GROSS ANATOMY OF THE HUMAN BODY. A lecture and demonstration course of systems; i. e., Osteology, Myology, Blood-Vascular system, etc. Practical applications, as posture, muscular activity, anatomical-mechanics, etc., and their relations to disease, will be discussed. Monday 7:15, Room 104.

Two hours, winter term.

BIOLOGY

Dr. LARSELL

1. ELEMENTARY NEUROLOGY. An introduction to the structure of the nervous system, and of the inter-relations of its several divisions. The course is designed to meet the needs of students of Psychology, Biology, and Physiology. Monday 7:15, Room 112. *One hour, winter term.*

2. EMBRYOLOGY. The principal facts in the development of vertebrate body will be presented so far as is possible by the limitations of the lecture method. This course should be of benefit to nurses and to students of Biology who desire to know something of the formation of the body, but do not find it possible to avail themselves of a course accompanied by laboratory work. Wednesday 7:15, Room 110. *One hour, winter and spring terms.*

3. THE HISTORY OF BIOLOGICAL SCIENCES. An account of the principal stages, and of the leaders, in the development of biological knowledge. A consideration of the various theories and discoveries which have influenced biological thought, with an effort to gain some acquaintance with the work of the leaders in this development. Wednesday 8:15, Room 110.

One hour, winter and spring terms.

CHEMISTRY
Mr. THIENES

1. ELEMENTARY COLLEGE CHEMISTRY. This course is intended to be equivalent to the regular course in Elementary College Chemistry given at the University in Eugene. Classes meet twice each week from seven to nine-thirty p. m. One lecture and one laboratory. A minimum of eight hours is required if the hours are to be applied towards a degree from the University of Oregon. If the majority of students registered in chemistry desire that the class meet but once each week, the course will be extended over a period of two years. Monday and Wednesday, Room 306.

Four hours, three terms.

101. QUALITATIVE ANALYSIS. The simpler methods of analysis for determining the presence of the commoner metals and acids. Mainly laboratory work. Tuesday 7:15, Room 306.

Two hours, three terms.

PATHOLOGY
Dr. BENSON

101. PATHOLOGY. A course of lectures and demonstrations dealing with the gross and microscopic appearance of diseased tissue and associated impairment of function. Prerequisite, Bacteriology 1. Monday 7:15, Room 107. *Two hours, spring term.*

102. PATHOLOGY. A course of lectures and demonstrations with lantern slides, dealing with the gross and microscopic appearance of the tissues in the commoner diseases; a continuation of Pathology 101. Prerequisites, Bacteriology 1, Pathology 101, or their equivalent. Monday 7:15, Room 107.

Two hours, fall term.

PHARMACOLOGY
Dr. MYERS

1. A course of lectures on the use and abuse of drugs, given primarily for nurses, but open to interested and qualified students. Monday 7:15, Room 104. *One hour, spring term.*

PHYSIOLOGY
Dr. RUSH

1. Digestion, metabolism, secretions. The course will be primarily for nurses and teachers of physiology in the grades and high school. Wednesday 7:15, Room 103. *Two hours, fall term.*

2. Nutrition, vitamines, body temperature and the central nervous system. Prerequisite, Course 1. Wednesday 7:15, Room 103. *Two hours, winter term.*

PUBLIC HEALTH

Dr. SEARS

1. PUBLIC HEALTH AND SANITATION. A course dealing with the causation and prevention of communicable diseases as well as with more general problems of hygiene and sanitation. Lectures and textbook assignments with occasional quizzes will be given. The lectures will be illustrated to some extent with lantern slides. Wednesday 7:15, Room 108. *Two hours, two terms.*

SCHOOL OF MUSIC

MUSIC

Mr. BOYER

Mr. GOODRICH

1. HISTORY AND APPRECIATION.

a. A course of lectures on Richard Wagner and the importance of his work; an analysis of his music dramas, and the effect of his theories on later composers. Mr. Goodrich. Monday 7:15, Room 108. *One hour, fall term.*

b. A course of lectures upon the composers, compositions and general characteristics of the music of modern Russia. Mr. Goodrich. Monday 7:15, Room 108. *One hour, winter term.*

c. A course of lectures upon the composers, compositions and general characteristics of the music of modern France. Mr. Goodrich. Monday 7:15, Room 108. *One hour, spring term.*

2. COMPOSITION. A practical course in various forms of musical composition, both vocal and instrumental. The course will include work in modern Harmony, Counterpoint (single and double), Canon, Fugue, Form and Orchestration. Mr. Goodrich. Monday 8:15, Room 108. *One hour, three terms.*

3. ELEMENTARY HARMONY. A practical course in the scientific origin of melody and harmony; the construction of various forms

of chords; the harmonization of basses and melodies. (A minimum of fifteen students must be enrolled for this course.) Mr. Goodrich. Tuesday 7:15, Room 104. *One hour, three terms.*

PUBLIC SCHOOL MUSIC Mr. BOYER

The Supervisor's Training course in Public School Music outlined below is designed for those students who wish to prepare themselves to be supervisors of music in high schools and in the grades, and to become leaders in community music. Its accomplishment is recognized by a special certificate from the University of Oregon. It is assumed in this course that public school music is not a different kind of music, and that "methods"—patented or others—can never take the place of knowledge of the thing to be taught. There is but one special course for the prospective public school music teacher. It is labeled for identification, "Public School Methods." It aims to assemble those things which a public school music teacher ought to know, and to fuse and point them to a special purpose. The following are the minimum requirements for a certificate. Under the ordinary circumstances of study in the Portland Center, they normally constitute a three-years' program:

Ability to read and play moderately difficult choruses or accompaniments.

Instruction in singing, two terms.

The elements of Musical Science, three terms.

Analysis of Music, three terms.

Musical History, three terms.

Sightsinging, three terms.

Public School Methods.

Choir Experience.

Education.

Practice Teaching and Directing.

1. PUBLIC SCHOOL METHODS FOR PRIMARY GRADES. This course aims to show how musical knowledge is adapted to the needs of the public school. The following and other points will be taken up: ways of arousing and holding interest; call and scale songs for correction of monotone; development of the sense

of pitch and rhythm through note singing; phrasing and interrelation; the various systems of music books and manuals used as texts; staff notation. Tuesday 7:15, Room 108.

One hour, three terms.

2. PUBLIC SCHOOL METHODS FOR ADVANCED GRADES. Sight singing, melody, choral directing, phrasing and interpreting and musical appreciation with the use of the phonograph. Tuesday 8:15, Room 108.

One hour, three terms.

3. PRACTICE TEACHING AND DIRECTING. Thursday 8:15, Room

4. SIGHT SINGING. For the purpose of identification, the term "Sight Singing" has been retained, though it gives little clue to the character of work done. A better name would be "The Aesthetic Reading of Music." We do not read a language by consciously picking out individual letters—meaning comes from combinations. We read a word—sometimes a sentence. The analogy is evident. We do not read individual notes. Musical meaning comes from combinations of tones. We read the symbols for a chord, figure or a motive, possibly a phrase. For this reason it must be evident that symbols of reading by the "do, re, mi" method are absolutely discarded. However comforting such a system may be to the musically unequipped who must have "something to teach," it is inimical to the thought processes of the real musician and has no right place in any scheme of musical education. Thursday 7:15, Room 108. *One hour, three terms.*

SYMPHONY ORCHESTRA LECTURES

A series of illustrated lectures based upon the program of the Portland Symphony will be given during the coming season. In each lecture the particular program will be discussed and an endeavor made to enhance the understanding and appreciation of the various numbers through analysis and comment. The lectures will be held the Monday preceding the concerts, and the dates for the 1922-1923 season are as follows: October 23rd; November 13th; December 4th; January 8th; February 12th; and April 23rd. These lectures will be delivered by instructors in the University School of Music at Sherman, Clay and Company Concert hall, Monday evenings, 8:00 p. m.



3 0112 105897869

The University of Oregon

Includes the following Colleges and Schools, located at Eugene, except as stated:

THE GRADUATE SCHOOL

THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

THE SCHOOL OF ARCHITECTURE

THE SCHOOL OF BUSINESS ADMINISTRATION

THE SCHOOL OF EDUCATION

THE SCHOOL OF JOURNALISM

THE SCHOOL OF LAW

THE SCHOOL OF MEDICINE (Portland)

THE SCHOOL OF MUSIC

THE SCHOOL OF PHYSICAL EDUCATION

THE SCHOOL OF SOCIOLOGY

School of Social Work (Portland).

THE EXTENSION DIVISION

Department of Extension Instruction.

Department of Social Welfare.

Portland Extension Center.

THE SUMMER SESSION

Divisions at Eugene and Portland.

The University publishes in addition to the General Catalogue, bulletins descriptive of the work offered by the Graduate School and the School of Medicine.

Requests for these publications or for general information should be addressed to

THE REGISTRAR,
University of Oregon, Eugene, Oregon.

Special Bulletins are also issued for the Summer Sessions, the Correspondence courses, and the work given in the Portland Extension Center. These may be obtained by addressing

THE EXTENSION DIVISION,
University of Oregon, Eugene, Oregon.

UNIVERSITY OF OREGON BULLETIN

New Series, August, 1922

Vol. 19, No. 4

Published monthly by the University of Oregon and entered at the post-office at Eugene, Oregon, as second-class matter.

UNIVERSITY PRESS